

Mechanical Engineering (BSME) Four-Year Plan

Mechanical Engineering - BSME 2020-21 Four-Year Plan*

Freshman

First Term	Hours	Second Term	Hours
MATH 211 (grade of C or better required)	4	MATH 212 (grade of C or better required)	4
CHEM 121N (grade of C or better required)	3	PHYS 231N (grade of C or better required)	4
CHEM 122N	1	MAE 111	2
ENGL 110C (grade of C or better required)	3	MET 230	3
ENGN 110	2	ENGN 150	4
COMM 101R	3		
	16		17

Sophomore

First Term	Hours	Second Term	Hours
PHYS 232N	4	MAE 205 (grade of C or better required)	3
MATH 312 (285)	4	MAE 220 (grade of C or better required)	3
MAE 204 (grade of C or better required)	3	MAE 225	1
MAE 201 (grade of C or better required)	3	MATH 307 (280)	3
MAE 203	1	Interpreting the Past Way of Knowing	3
ENGL 231C (grade of C or better required)	3	STAT 330	3
	18		16

Junior

First Term	Hours	Second Term	Hours
MAE 303 (grade of C or better required)	3	MAE 312	3
MAE 305	1	MAE 332 (grade of C or better required)	3
MAE 311 (grade of C or better required)	3	MAE 315	3
MAE 340	3	MAE 336	3
Literature Way of Knowing	3	Philosophy and Ethics Way of Knowing**	3

Human Creativity Way of Knowing	3	Human Behavior Way of Knowing	3
	16		18
Senior			
First Term	Hours	Second Term	Hours
MAE 433	3	MAE 435	3
MAE 434W (grade of C or better required)	3	MAE Option Course	3
MAE 436	3	MAE Option Course	3
MAE Option Course	3	Upper-Division General Education course	3
Upper-Division General Education course	3		
	15		12

Total credit hours: 128

* Does not include the University's General Education language and culture requirement. Additional hours may be required.

** ENMA 480 is preferred.

General Education requirements in information literacy and research and impact of technology are met through the major. For additional information consult the department undergraduate handbook.

Mechanical engineering majors must earn a grade of C or better in the following courses in order to continue to progress through the program:

ENGL 110C	English Composition	3
ENGL 231C	Introduction to Technical Writing	3
MATH 211	Calculus I	4
MATH 212	Calculus II	4
CHEM 121N	Foundations of Chemistry I Lecture	3
PHYS 231N	University Physics I	4
MAE 204	Engineering Mechanics I - Statics	3
MAE 205	Dynamics	3
MAE 220	Engineering Mechanics II - Solid Mechanics	3
MAE 303	Mechanics of Fluids	3
MAE 311	Thermodynamics I	3
MAE 332	Mechanical Engineering Design I	3
MAE 434W	Project Design and Management I	3

This is a suggested curriculum plan to complete this degree program in four years. Please consult information in this Catalog, Degree Works, and your academic advisor for more specific information on course requirements for this degree.